CLAIMS:

1. A reflector lamp with a light source (22), a main or secondary reflector (12), and at least one primary reflector (25) which is provided for an at least substantial reflection through the light source (22) onto the main reflector (12) of those light portions originating from the light source (22) which propagate in the direction of optically inactivated regions of the main reflector (12) or regions of the main reflector (12) obscured by other objects.

2. A reflector lamp as claimed in claim 1, wherein said optically inactivated regions are formed by a through passage in the main reflector (12) which is provided for a lamp (2) comprising the light source (22).

3. A reflector lamp as claimed in claim 1, wherein said objects are fastening means, cooling means, ignition means, or other means provided for activating and/or operating the light source (22).

4. A reflector lamp as claimed in claim 1, wherein the primary reflector is formed by an optically reflecting coating (25) which is provided on a surface of a lamp (2) comprising the light source (22).

5. A reflector lamp as claimed in claim 4, wherein the optically reflecting coating (25) is formed by a metal layer or by a plurality of dielectric layers or dichroic filters.

6. A reflector lamp as claimed in claim 1, which comprises a reflector body (1) with a reflector portion (11) supporting the main reflector (12) and a neck portion (13) for introducing a lamp (2) comprising the light source (22), such that the geometric continuation of the main reflector (12) passes through the burner (21) of the lamp (2).

7. A reflector lamp as claimed in claim 1, which comprises a reflector body (1) with a reflector portion (11) supporting the main reflector (12) and a neck portion (13) for introducing a lamp (2) comprising the light source (22), such that the focal distance of the

main reflector (12) is smaller than the radius of the burner (21) of the accommodated lamp (2).

8. A reflector lamp as claimed in claim 1, wherein the light source (22) is an arc discharge in a high-pressure gas discharge lamp (2).

9. A projection system with at least one reflector lamp as claimed in any one of the preceding claims.